

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	16/781,401
Filing Date	02/18/04
First Named Inventor	David W. Badman
Art Unit	2821
Examiner Name	han, thuy v.
Attorney Docket Number	18716.85676-001

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
TL		US- 6,456,015	09-2002	Lovell et al	315/248
		US- 5,786,086	07-1998	Frihart et al	128/379
		US- 5,510,762	04-1996	Carey et al	236/192
		US- 5,477,112	12-1995	Lesca	315/219
		US- 5,239,233	08-1993	Nilssen	315/57
		US- 5,053,681	10-1991	Budny et al	315/219
		US- 4,998,044	03-1991	Nilssen	315/208
		US- 4,588,924	05-1986	Luursema et al	315/42
		US- 4,322,658	03-1982	Minarczyk	315/107
		US- 3,949,268	04-1976	Von Mangoldt	315/239
		US- 3,900,761	08-1975	Freese et al	315/60
		US- 5,923,544	07-13-1999	Urano	363/22
		US- 5,949,155	09-07-1999	Tamura et al	307/107
		US- 5,450,305	09-12-1995	Boys et al	363/24
		US- 6,188,179	02-13-2001	Boys et al	315/244
		US- 5,905,343	05-18-1999	McCamant	315/57
		US- 5,301,096	04-05-1994	Klontz et al	363/37
		US- 6,275,143	08-14-2001	Stobbe	340/10.34
		US- 6,339,296	01-15-2002	Goral	315/86

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
TL		1063468	12-27-2000	EPO		
TL		0357829	03-14-1990	EPO		
TL		3642890	07-27-1989	Germany		
TL		9012505	08-08-1991	Germany		
TL		4100272	07-11-1991	Germany		
TL		1349788	04-10-1974	Great Britain		

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/781 401
		Filing Date	02/18/04
		First Named Inventor	David W. Baarman
		Art Unit	2821
		Examiner Name	Tran, Thuy V.
		Attorney Docket Number	18716.85676-001
Sheet 2	of 3		

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
H		US- 5,928,505	07-27-1999	Inakagata et al	210/91
		US- 5,929,598	07-27-1999	Nakama et al	320/108
		US- 5,952,814	09-14-1999	Van Lerberghe	320/108
		US- 6,005,304	12-21-1999	Seelig	307/104
		US- 6,028,413	02-22-2000	Brockmann	320/108
		US- 6,118,249	09-12-2000	Brockmann et al	315/98 320/108
		US- 2,265,475	12-09-1941	Fodor	166/338 315/96
		US- 3,550,682	12-29-1970	Fowler	166/338
		US- 3,628,086	12-14-1971	Nuckolls	362/183
		US- 3,641,336	02-08-1972	Boin	362/183
		US- 5,122,729	06-16-1992	Itoga et al	323/347
		US- 5,229,652	07-20-1993	Hough	307/104
		US- 5,422,519	06-06-1995	Russell	307/104
		US- 5,536,979	07-16-1996	McEachern et al	307/104
		US- 5,550,452	08-27-1996	Shirai et al	320/108
		US- 843,534	02-05-1907	Hewitt	315/248
		US- 4,017,764	04-12-1977	Anderson	315/248
M		US- 4,812,702	03-14-1989	Anderson	315/153
		US- 4,894,591	01-16-1990	Witting	315/248

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature	<i>[Signature]</i>	Date Considered	10/29/04
--------------------	--------------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/781,401
		Filing Date	2/18/04
		First Named Inventor	David W. Baarman
		Art Unit	2821
		Examiner Name	Tran, Thuy V.
Sheet 3 of 3	Attorney Docket Number	18716.85676-0010	

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
10		US- 4,977,354	12-11-1990	Bergervoet et al	315/248
		US- 5,039,903	08-13-1991	Farrall	313/160
		US- 5,184,891	02-09-1993	Shpigel	362/419
		US- 5,264,997	11-23-1993	Hutchisson et al	362/226
		US- 5,675,677	10-07-1997	Davenport et al	385/31
		US- 6,194,828	02-27-2001	Kohne et al	313/493
		US- 5,834,905	11-10-1998	Godyak et al	315/248
		US- 5,594,304	01-14-1997	Graber	315/85
		US- 5,300,860	04-05-1994	Godyak et al	315/39
		US- 5,289,085	02-22-1994	Godyak et al	315/248
		US- 4,117,378	09-26-1978	Glascocock, Jr.	315/248
		US- 4,005,330	01-25-1977	Glascocock, Jr. et al	315/57
		US- 6,241,359	06-05-2001	Lin	362/46
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ² *Number ⁴ *Kind Code ⁵ (if known)				
			</			

Examiner Signature	<i>Thuy V. Tran</i>	Date Considered	10/29/04
--------------------	---------------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.